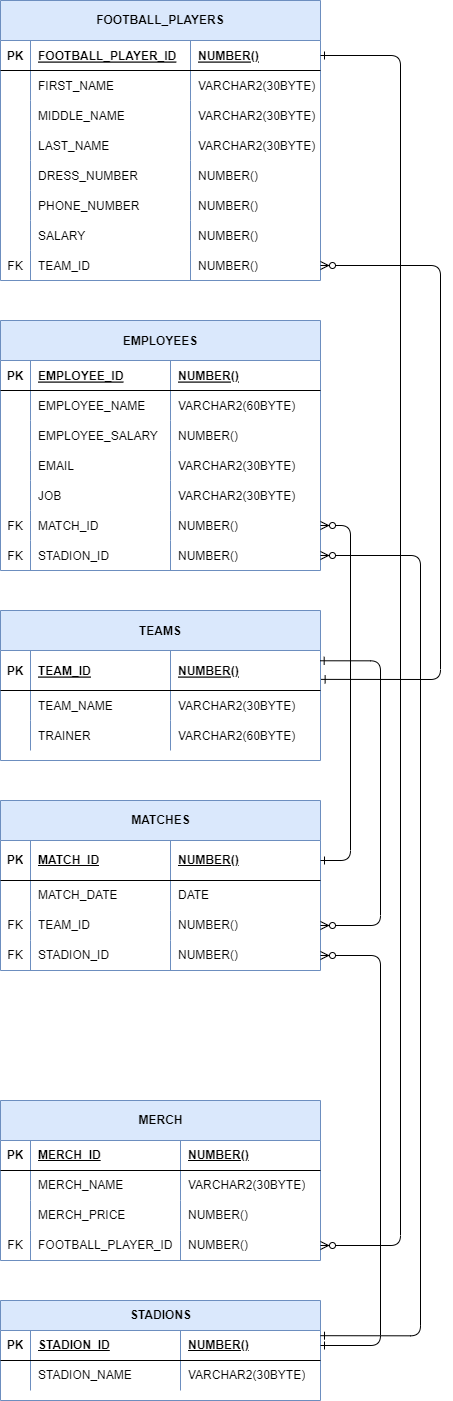
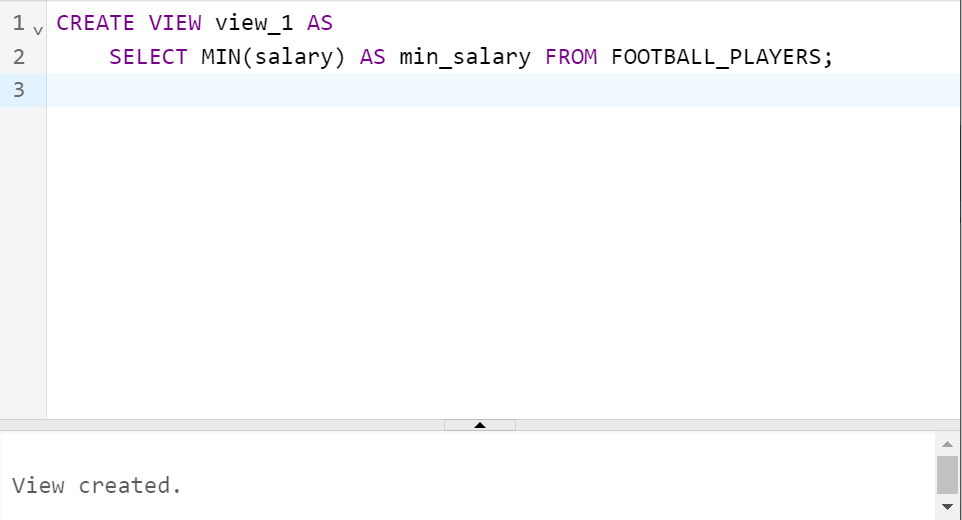
**Zaoberal som sa databázou futbalovej ligy**

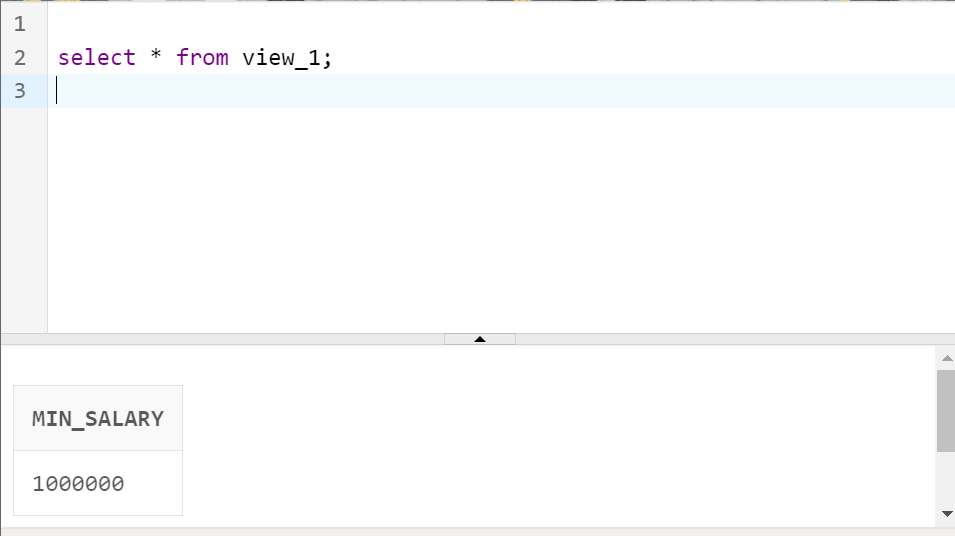


**Úloha1: 2 pohľady s netriviálnym selektom**

**1.zobrazí najmenší plat zamestnanca**

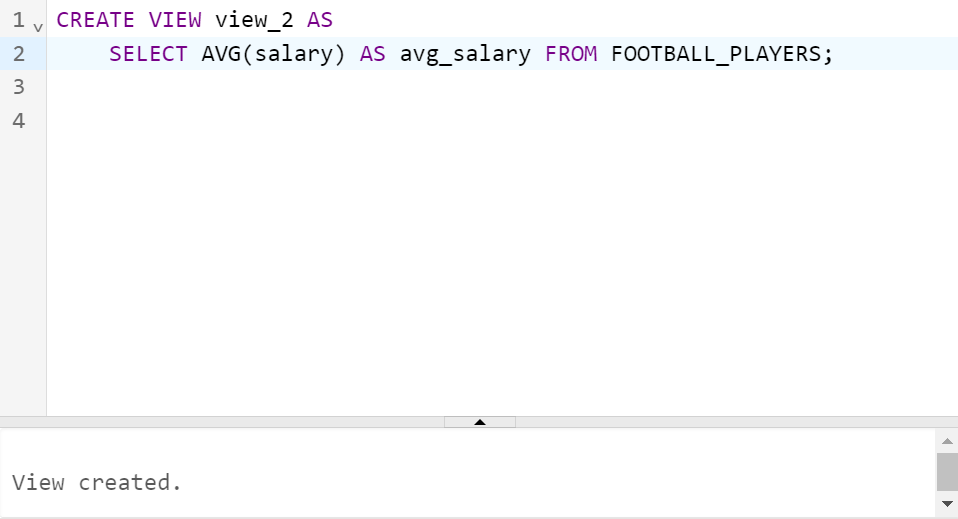
CREATE VIEW view\_1 AS   
 SELECT MIN(salary) AS min\_salary FROM FOOTBALL\_PLAYERS;

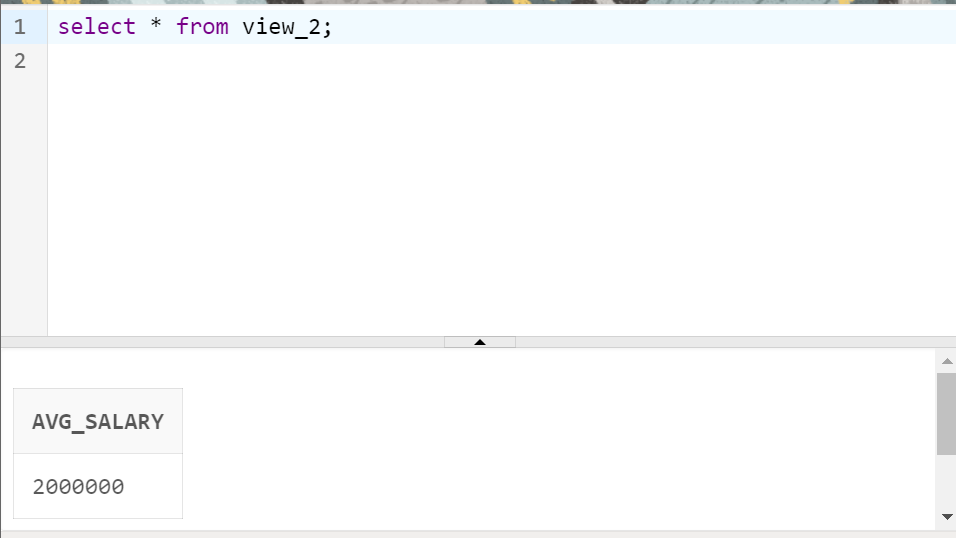




**2.zobrazí priemerný plat zamestnancov**

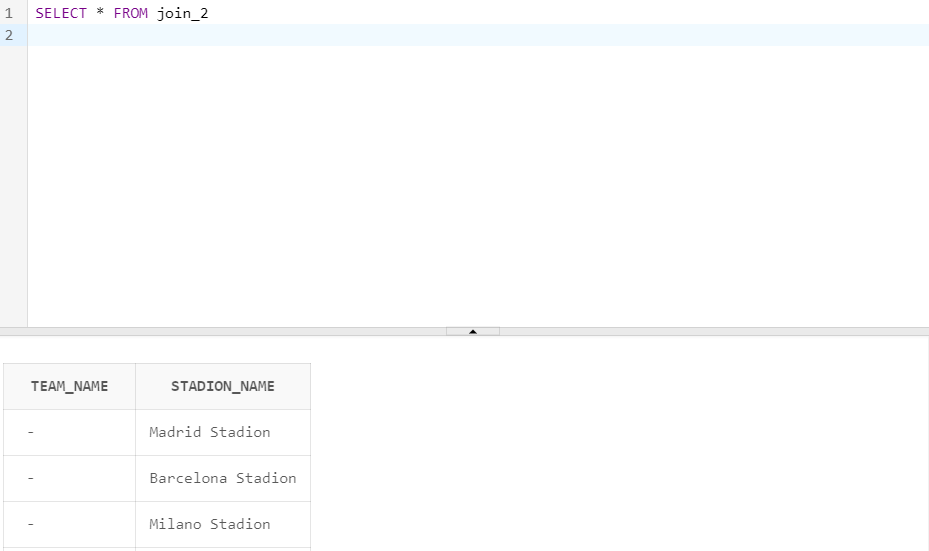
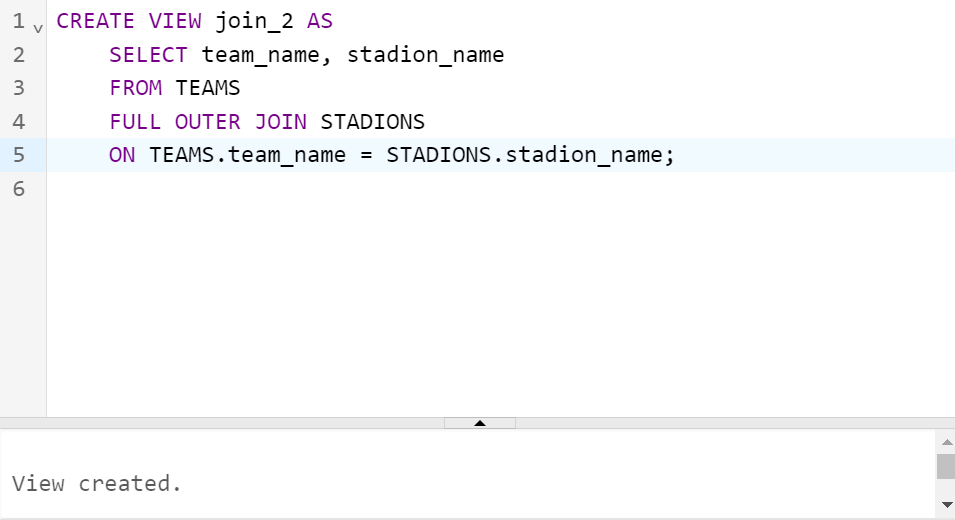
* CREATE VIEW view\_2 AS   
   SELECT AVG(salary) AS avg\_salary FROM FOOTBALL\_PLAYERS;





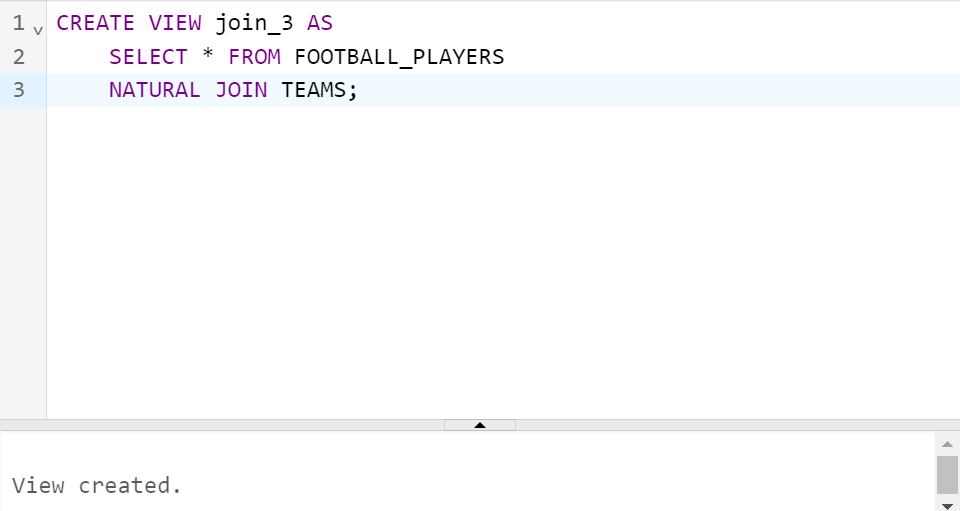
**Úloha2: 3 pohľady so spájaním tabuliek**

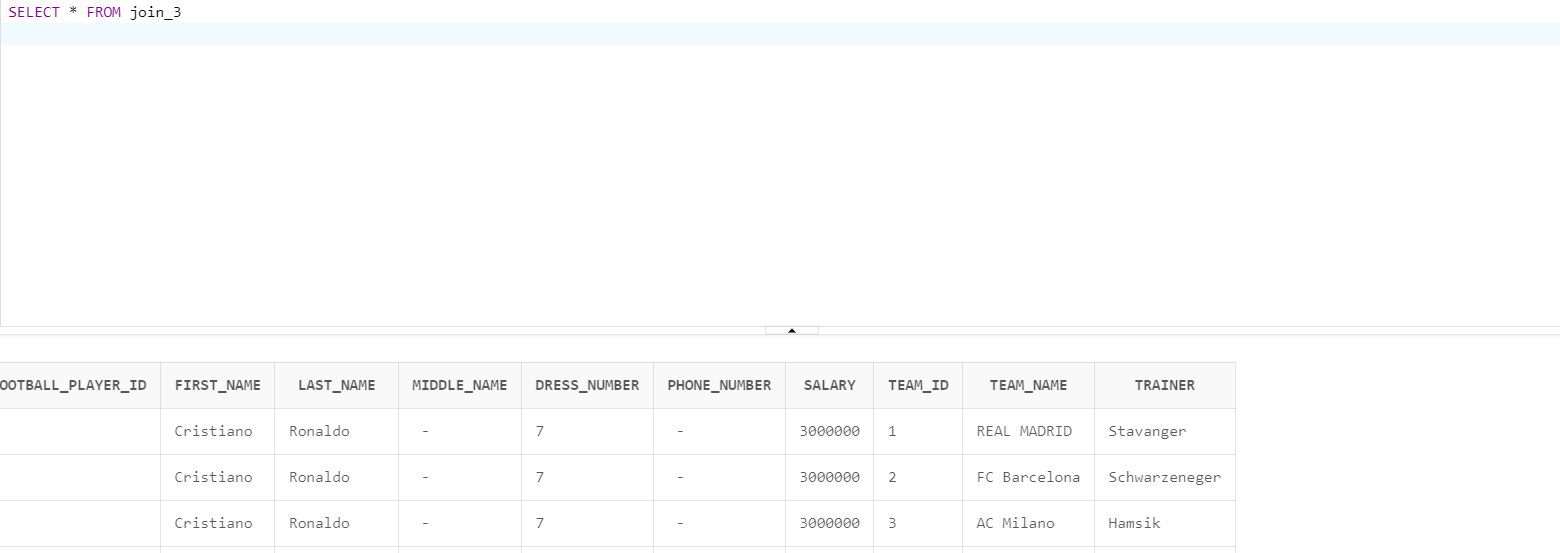
**1.outer join**



**2.spojenie aspoň 2 tab.**

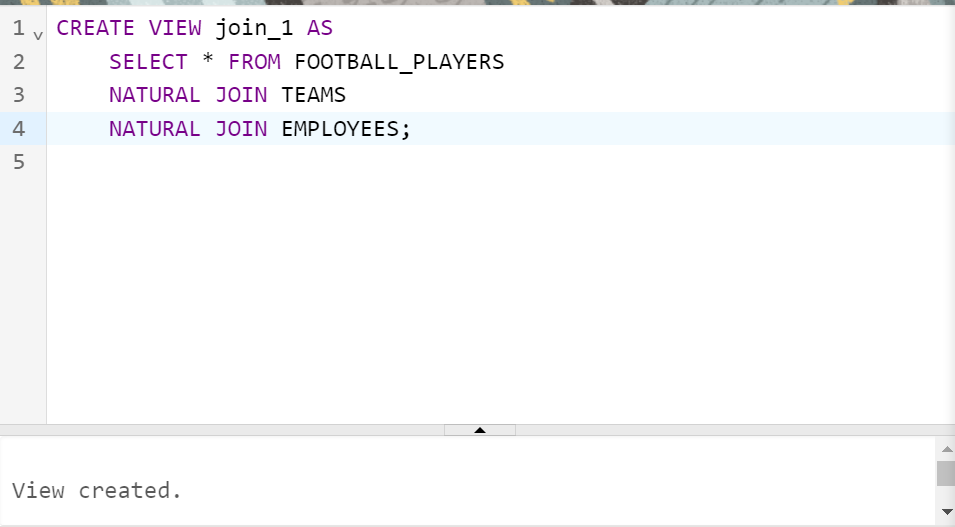
* CREATE VIEW join\_3 AS   
   SELECT \* FROM FOOTBALL\_PLAYERS   
   NATURAL JOIN TEAMS;

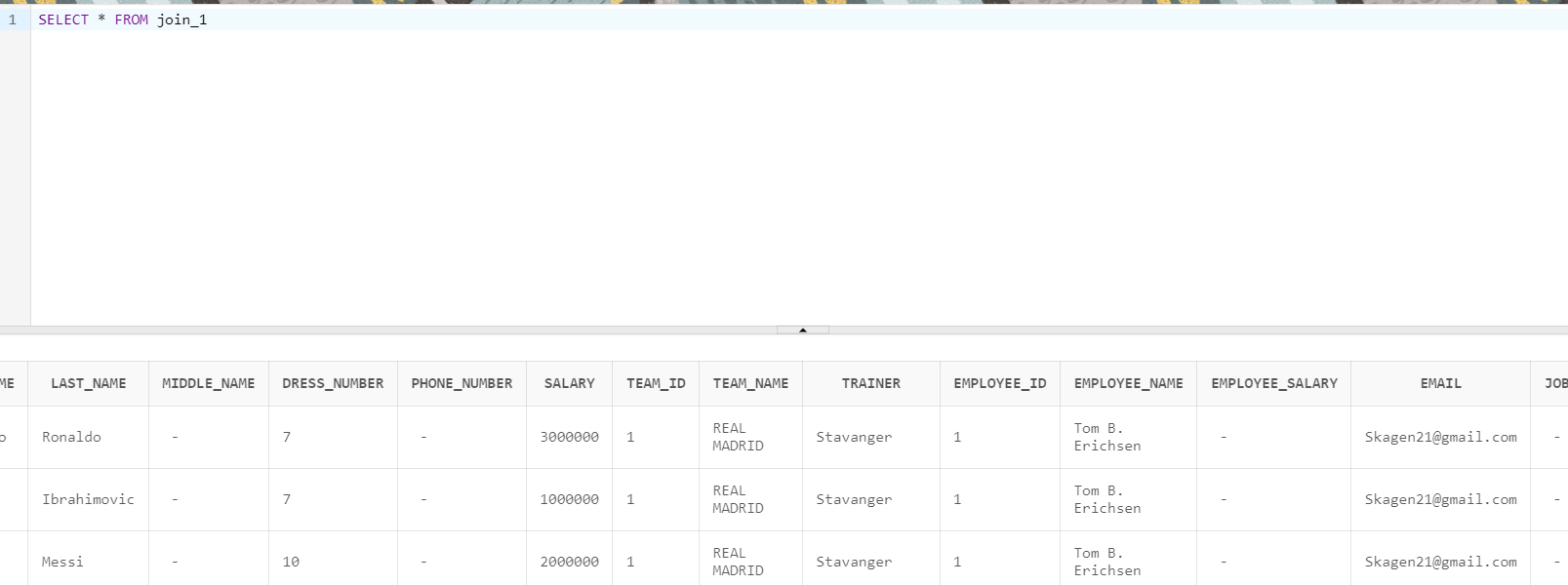




**3.spojenie troch tabuliek**

* CREATE VIEW join\_1 AS   
   SELECT \* FROM FOOTBALL\_PLAYERS   
   NATURAL JOIN TEAMS   
   NATURAL JOIN EMPLOYEES;

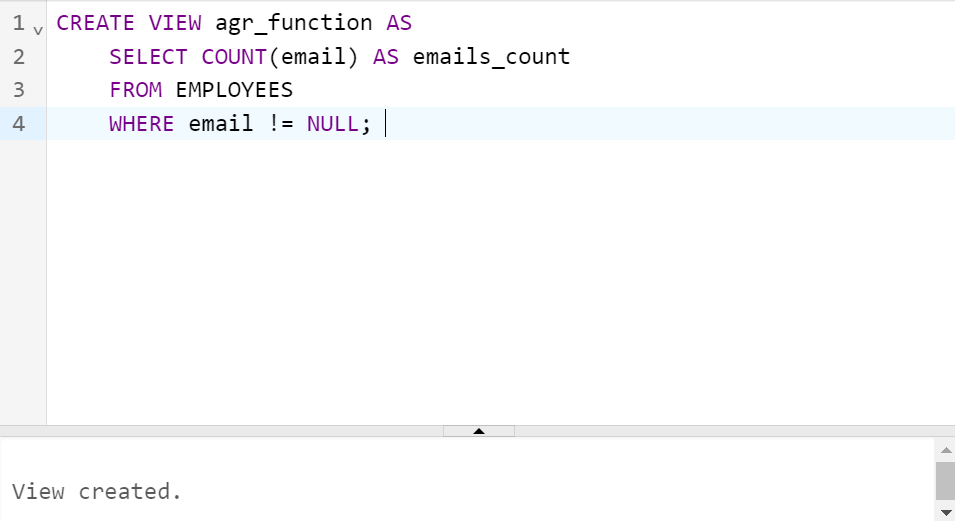


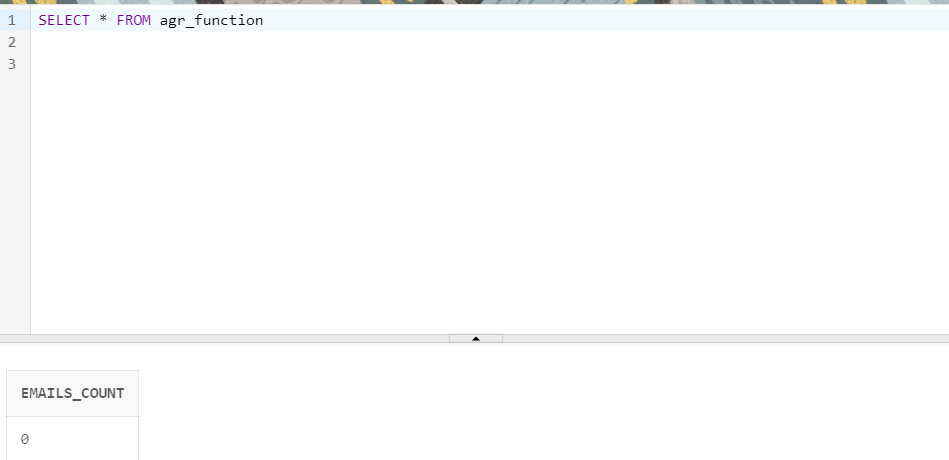


**Úloha 3: 2 pohľady s použitím agregačných funkcii / zoskupenia**

1. **funkcia zobrazujúca počet vyplnených emailov**

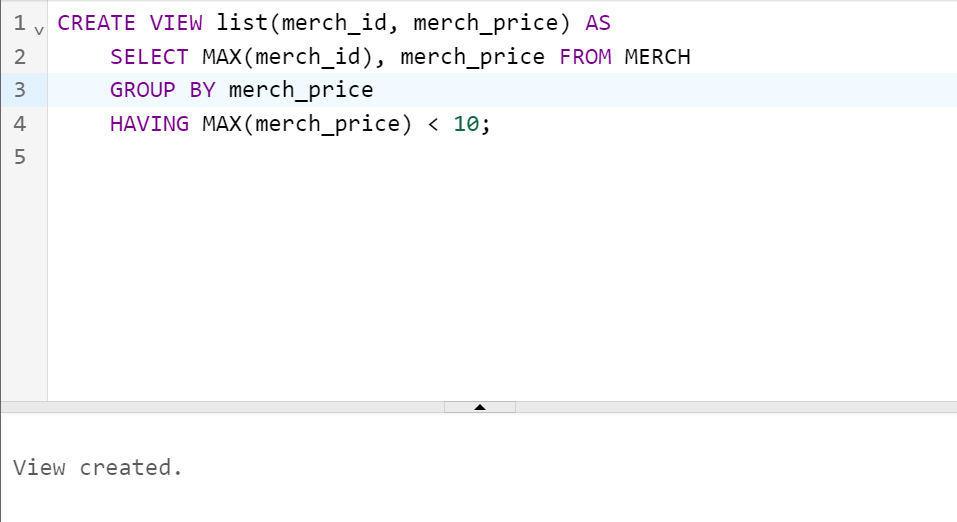
CREATE VIEW agr\_function AS   
 SELECT COUNT(email) AS emails\_count   
 FROM EMPLOYEES   
 WHERE email != NULL;





1. **merch, ktorého cena je menej ako 10**

CREATE VIEW list(merch\_id, merch\_price) AS   
 SELECT MAX(merch\_id), merch\_price FROM MERCH   
 GROUP BY merch\_price   
 HAVING MAX(merch\_price) < 10;



* CREATE TABLE Football\_players (   
  Football\_player\_ID int,   
  First\_name varchar(255),   
  Last\_name varchar(255),   
  Middle\_name varchar(255),   
  Dress\_number int,   
  Phone\_number int,   
  Salary int,   
  PRIMARY KEY (Football\_player\_ID)   
  );
* CREATE TABLE Teams(   
  Team\_id int,   
  Team\_name varchar(255),   
  Trainer varchar(255),   
  PRIMARY KEY (Team\_id)   
  );
* CREATE TABLE Matches(   
  Match\_id int,   
  Match\_date Date,   
  PRIMARY KEY (Match\_id)   
  );
* CREATE TABLE Merch(   
  Merch\_id int,   
  Merch\_name varchar(255),   
  Merch\_price int,   
  PRIMARY KEY (Merch\_id)   
  );
* CREATE TABLE Employees(   
  Employee\_id int,   
  Employee\_name varchar(255),   
  Employee\_salary int,   
  Email varchar(255),   
  Job varchar(255),   
  PRIMARY KEY (Employee\_id)   
  );
* CREATE TABLE Stadions(   
  Stadion\_id int,   
  Stadion\_name varchar(255),   
  PRIMARY KEY (Stadion\_id)   
  );
* CREATE VIEW view\_1 AS   
   SELECT MIN(salary) AS min\_salary FROM FOOTBALL\_PLAYERS;
* CREATE VIEW view\_2 AS   
   SELECT AVG(salary) AS avg\_salary FROM FOOTBALL\_PLAYERS;
* CREATE VIEW join\_1 AS   
   SELECT \* FROM FOOTBALL\_PLAYERS   
   NATURAL JOIN TEAMS   
   NATURAL JOIN EMPLOYEES;
* CREATE VIEW join\_3 AS   
   SELECT \* FROM FOOTBALL\_PLAYERS   
   NATURAL JOIN TEAMS;
* CREATE VIEW agr\_function AS   
   SELECT COUNT(email) AS emails\_count   
   FROM EMPLOYEES   
   WHERE email != NULL;
* CREATE VIEW list(merch\_id, merch\_price) AS   
   SELECT MAX(merch\_id), merch\_price FROM MERCH   
   GROUP BY merch\_price   
   HAVING MAX(merch\_price) < 10;
* INSERT INTO FOOTBALL\_PLAYERS (football\_player\_id, first\_name, last\_name, dress\_number, salary)   
   VALUES ('1', 'Zlatan', 'Ibrahimovic', '7', '1000000');
* INSERT INTO FOOTBALL\_PLAYERS (football\_player\_id, first\_name, last\_name, dress\_number, salary)   
   VALUES ('2', 'Lionel', 'Messi', '10', '2000000');
* INSERT INTO FOOTBALL\_PLAYERS (football\_player\_id, first\_name, last\_name, dress\_number, salary)   
   VALUES ('3', 'Cristiano', 'Ronaldo', '7', '3000000');
* INSERT INTO TEAMS (team\_id, team\_name, trainer)   
   VALUES ('1', 'REAL MADRID', 'Stavanger');
* INSERT INTO TEAMS (team\_id, team\_name, trainer)   
   VALUES ('2', 'FC Barcelona', 'Schwarzeneger');
* INSERT INTO TEAMS (team\_id, team\_name, trainer)   
   VALUES ('3', 'AC Milano', 'Hamsik');
* INSERT INTO Stadions (stadion\_id, stadion\_name)   
  VALUES ('1', 'Barcelona Stadion');
* INSERT INTO Stadions (stadion\_id, stadion\_name)   
  VALUES ('2', 'Madrid Stadion');
* INSERT INTO Stadions (stadion\_id, stadion\_name)   
  VALUES ('3', 'Milano Stadion');
* INSERT INTO EMPLOYEES (employee\_id, employee\_name, email)   
  VALUES ('2', 'Tom Cerichsen');
* INSERT INTO EMPLOYEES (employee\_id, employee\_name, email)   
  VALUES ('1', 'Tom B. Erichsen', '[Skagen21@gmail.com](mailto:Skagen21@gmail.com)');
* INSERT INTO EMPLOYEES (employee\_id, employee\_name, email)   
  VALUES ('2', 'Tom Cerichsen', NULL);
* INSERT INTO EMPLOYEES (employee\_id, employee\_name, email)   
  VALUES ('3', 'Rom Sen', '[romko@gmail.com](mailto:romko@gmail.com)');